

Title (en)  
Three-port fluid valve.

Title (de)  
Dreikanal-Fluidventil.

Title (fr)  
Vanne à trois orifices pour fluide.

Publication  
**EP 0256272 A2 19880224 (EN)**

Application  
**EP 87109539 A 19870702**

Priority  
GB 8618301 A 19860726

Abstract (en)  
A double solenoid valve (10, 16) especially for anti-lock braking applications has a normally open conduit (12-15) for involving a first port (2) and housed in series with a normally closed conduit (15, 14, 18, 4) between second (3) and third (4) ports. A fast one-way path (19, 37) joins the first and second ports. A slow two-way path (15) always involves the second port. The double valve when used in ABS can handle incipient locking, actual locking, quick releasing to normal after emergency anti-lock action, and purge modes.

IPC 1-7  
**B60T 13/68**

IPC 8 full level  
**B60T 8/34** (2006.01); **B60T 8/36** (2006.01); **B60T 15/02** (2006.01)

CPC (source: EP US)  
**B60T 8/34** (2013.01 - EP US); **B60T 8/3645** (2013.01 - EP US); **B60T 15/028** (2013.01 - EP US); **Y10T 137/87217** (2015.04 - EP US)

Cited by  
FR2689599A1; US4859005A; EP0323037A3; FR2912715A1; EP1958833A1; DE4204417A1; DE4028447A1; US5318066A; DE4310265A1; US5522426A; WO9800325A1

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
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